

Fig. 1

Fig. 2: Syndecan-1 (rat) extracellular domain: M81785

atgagac gtgcggcgct
ctggcttttg ctctgcgcgc tggcgctgcg cctgcagcct gccctccgc aaattgtcac
cgcaaattgt cctcctgaag accaagatgg ctctggggac gactcagaca acttctctgg
ctcaggcaca ggtgctttgc cagatatgac tttgtcacgg cagacacctt ccacttggaa
ggatgtgtgg ctctgacag ctacaccac agctccagaa cccaccagca gggataccga
ggccaccctc acctctatcc tgccggctgg agagaagcct gaggagggag agccogtggc
ccacgtggaa gcagagcctg acttcactgc tcgggacaag gagaaggagg ccaccaccag
gcctagggag accacacagc tcccagtcac ccaacaggcc tcaacagcag ccagagccac
cacggcccag gcatctgtca cgtctcatcc ccacggggat gtgcaacctg gcctccacga
gaccttggt cccacagcac ccggccaacc tgaccatcag cctccaagtg tggaggatgg
aggcacttct gtcatcaaag aggttgtgga ggatgaaact accaatcagc ttctgcagg
agagggctct ggagaacaag acttcacctt tgaaacatct ggggagaaca cagctgtggc
tggcgtcgag cctgaccttc ggaatcagtc cccagtggat gaaggagcca caggtgcttc
tcagggcctt ttggacagga aggaa

ACCESSION M81785
LOCUS RATSYNDECA 2396 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus syndecan mRNA, complete cds.
ACCESSION M81785
NID g207140
KEYWORDS syndecan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2396)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 3: Syndecan-2 (human) extracellular domain (J 04621):

ggcaggaggg agggagccag aggaaaagaa gaggaggaga aggaggagga cccggggagg
gagggcgggc gcgggaggag gaggggcgca gccgcggagc cagtggcccc gcttggacgc
gctgctctcc agatacccc ggagctccag ccgcgcggat cgcgcgctcc cgccgctctg
cccctaaact tctgccgtag ctccctttca agccagcgaa tttattcctt aaaaccagaa
actgaacctc ggcacgggaa aggagtccgc ggaggagcaa aaccacagca gagcaagaag
agcttcagag agcagccttc ccggagcacc aactccgtgt cgggagtgca gaaaccaaca
agtgagaggg cgccgcgttc ccggggcgca gctgcgggag gcgggagcag gcgcaggagg
aggaagcgag cgcccccgag ccccgagccc gagtccccga gcctgagccg caatcgctgc
ggtactctgc tccggattcg tgtgcgcggg ctgcgcgagc gctgggagcagg aggcttcggt
ttgccctggt tgcaagcagc ggctgggagc agccggtccc tggggaatat gcggcgcgcg
tggtatctgc tcaccttggg cttggtggcc tgcgtgtcgg cggagtcgag agcagagctg
acatctgata aagacatgta ccttgacaac agctccattg aagaagcttc aggagtgtat
cctattgatg acgatgacta cgcttctgcg tctggctcgg gagctgatga ggatgtagag
agtccagagc tgacaacaac tcgaccactt ccaaagatac tgttgactag tgctgctcca
aaagtggaaa ccacgacgct gaatatacag aacaagatac ctgctcagac aaagtcacct
gaagaaactg ataaagagaa agttcacctc tctgactcag aaaggaaaat ggacccagcc
gaagaggata caaatgtgta tactgagaaa cactcagaca gtctgtttta acggacagaa

protein sequence:

GRREGARGKEEEEKEEDPGREARRGRRRGAAAEPVAPLGRAALQ
IPPELQPRGSRAPALPLNFCRSSLSSQRIYSLKPETEPRHGKGVGGAKPQQSKKSF
REQPSRSTNSVSGVQKPTSERAPRSRGAAAGGSRRRRRKRAPPSPEPESPSLSRNRC
GTLRLIRVRGLAERWAGGFVLPWLQAAAGSSRSLGNMRRRAWILLTLGLVACVSAESRA
ELTSKDMYLDNSSIEEASGVYPIDDDYASASGSGADEDVESPELTTRPLPKILLT
SAAPKVEETTLNQNKIPAQTKSPEETDKEKVHLSDSERKMDPAEEDTNVYTEKHS
LFRTE

reference:

ACCESSION J04621
LOCUS HUMHSPGC 3414 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG) core protein, 3' end.
ACCESSION J04621
NID g184428
KEYWORDS core protein; heparan sulfate proteoglycan.
SOURCE Human fetal lung fibroblast, cDNA to mRNA, clone 48K5.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 3414)
AUTHORS Marynen, P., Zhang, J., Cassiman, J.J., Van den Berghe, H. and David, G.
TITLE Partial primary structure of the 48- and 90-kilodalton core
proteins of cell surface-associated heparan sulfate proteoglycans
of lung fibroblasts. Prediction of an integral membrane domain and
evidence for multiple distinct core proteins at the cell surface of
human lung fibroblasts
JOURNAL J. Biol. Chem. 264 (12), 7017-7024 (1989)

Fig. 4: Synd-3 (N-Syndecan) extracellular domain

gccccgcgcgctgctgagccgtccttgccggcacgssgatgccccgcggagctgcggcgcc
tcgcggtgctgctgctgctgctcagcgccccgcgcagcgctggctcagccgtggcgcaatg
agaactacgagaggccggtggacctggagggctctggggatgatgatccctttggggacg
atgaactggatgacatctactcgggctccggctcaggctattttgagcaggagtcagggt
tggagacagcggtcagcctcaccacggacacgtccgtcccactgcccaccacggtggccg
tgctgcctgtcaccttgggtgcagcccatggcaacaccctttgagctgttccccacagagg
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ctgtggccacctccaagcccaccactaccagaggttcctgccccctttgtcaccaagg
cagccaccaccggggccaccaccctggagacgcccaccacctccatccctgaaaccagt
tcctgacagaggtgaccacatcacggcttgtcccctccagcacagccaagccgaggtccc
tgccaaaaccaagcacttccaggactgcagaacccacggaaaaaagcactgccttgcctt
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cagtcctcgacagtgccttgggaagtcccaaccagtagtgggcccagcggggacttcgaga
tccaggaggaggaggagacaactcgtcctgagctgggcaatgaggtgggtggcagtggtga
caccaccagcagcaccgggggtgggcaagaatgcagagccgggggtcatcgacaacacaa
tagagtcgggcagctcgggtgctcagctccccccagaaaaacatcctggagaggaaggaa

Reference:

ACCESSION M84910
LOCUS CHKSNDPRO 1372 bp mRNA VRT 29-NOV-1995
DEFINITION Chicken syndecan-3 proteoglycan mRNA, complete cds.
ACCESSION M84910
NID g1017461
KEYWORDS syndecan-3 proteoglycan.
SOURCE Gallus gallus 4-6 day and 10 day forelimb and whole embryo cDNA to mRNA.
ORGANISM Gallus gallus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Archosauria; Aves; Neognathae; Galliformes;
Phasianidae; Phasianinae; Gallus.
REFERENCE 1 (bases 1 to 1372)
AUTHORS Gould, S.E., Upholt, W.B. and Kosher, R.A.
TITLE Syndecan 3: a member of the syndecan family of
membrane-intercalated proteoglycans that is expressed in high
amounts at the onset of chicken limb cartilage differentiation
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 89 (8), 3271-3275 (1992)
MEDLINE 92228766
REFERENCE 2 (bases 1 to 1372)
AUTHORS Gould, S.E., Upholt, W.B. and Kosher, R.A.
TITLE Characterization of chicken syndecan-3 as a heparan sulfate
proteoglycan and its expression during embryogenesis
JOURNAL Dev. Biol. 168 (2), 438-451 (1995)

Fig. 5: Syndecan-4 extra-cellular domain from rat: M81786

atggc gcctgtctgc ctgtttgcgc cgctgctgct gttgctcctc
ggaggtttcc cgcgcgcccc aggcgagtcg attcgagaga ctgagggtcat agacccccag
gacctcctgg aaggcagata cttctctgga gccctcccg acgatgaaga cgctgggggc
cttgagcagg actctgactt tgagctgtcg ggttcgggag atctagatga cacggaggag
cccaggacct tccctgaggt gatttcaccc ttggtgccac tagataacca catccccgag
aatgcccagc ctggcatccg tgtcccctca gagcccaagg aactggaaga gaatgaggtc
attcccaaaa gggccccctc cgacgtgggg gatgacgatg tgtccaacaa agtgtccatg
tccagcactt cccagggcag caacatTTTTT gaaagaactg ag

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima, T., Shworak, N.W. and Rosenberg, R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 6: Glypican-1 (rat) extracellular Domain:

atggag

```
ctccgggccc gaggctggtg gctgctgtgc gcggccgccc cgctagtgcg ctgcgcccgc
ggggaccccg ccagcaagag ccggagctgc agcgaagtcc gccagatcta cgggggctaag
ggcttttagcc tgagcgacgt gccccaggca gagatctcgg gagagcacct gcggatctgc
ccccagggct acacctgctg caccagttag atggaggaga acctggccaa ccacagccgg
atggagctgg agaccgcact ccacgacagc agccgtgccc tgcaggctac actggccacc
cagctgcatg gcatcgatga ccacttccag cgcttgctga atgactcgga gcgtacactg
caggatgctt ttcccggggc ctttggggac ctgtacacgc agaacactcg ggccttcggy
gacctgtatg ctgagctgcy tctctactac cgagggggcca acctacacct tgaggagaca
ctggccgagt tctgggcacg gctgctggag cgtctcttca agcagctgca cccccagctt
ctgctgcccg atgactatct ggactgcctg ggcaagcagg cagaggcact gcggccggtt
ggggatgccc ctcgagaact gcgcctgagg gccacccgtg cttttgtggc ggcacgatcc
tttgtgcagg gcctgggtgt ggccagtgcg gtagtccgaa aggtggccca ggttcctctg
gccccagaat gttctcgggc tgtcatgaag ttggtctact gtgcccattg ccggggagtc
cctgggtgccc ggcctgttcc cgactattgc cgaaatgtgc tcaaaggctg ccttgccaac
caggccgacc tggatgccga gtggaggaa ctcctggact ccatggtgct catcactgac
aagttctggg gcccgtcggg tgcggagaat gtcattggca gtgtgcata gtggctggcg
gaggccatca acgccctcca ggacaacaag gacacactca cagctaaggc catccagggc
tgcggaaacc ccaagggtcaa tccccatggc tctgggcctg aggagaagcg tcgccgtggc
aaactggcac tgcaggagaa gtcctccaca ggtactctgg aaaagctggc ctctgaggcc
aaggcccagc tccgagacat tcaggactac tggatcagcc tcccagggac actgtgtagt
gagaagatgg ccatgagtcc tgccagcgat gaccgctgct ggaatgggat ttccaagggc
cggtacctac ctgagggtgat ggggtgatggg ctggccaacc agatcaacaa ccctgaagtg
gaggtggaca tcaccaagcc ggatatgacc atccggcagc agatcatgca gctcaagatc
atgaccaacc gtttacgtgg cgcctacggt ggcaatgatg tggacttcca ggatgccagt
gatgacggca gtggctccgg cagcgggtggc ggatgccagc atgacgcctg tggccggagg
gtcagcaaga agagctccag ctcccggacc cccttgaccc atgccctccc cggcttgtca
gaacaggagg gacagaagac ctcg
```

Protein sequence:

```
MELRARGWLLCAAALVACARGDPASKSRSCSEVRQIYGAKGF
SLSDVPQAEISGEHLRIPCQGYTCCTSEMEENLANHSRMELETALHDSSRALQATLAT
QLHGIDDFQRLNDSERTLQDAFPGAFGLYTQNTAFRDLYAELRLYYRGANLHLE
ETLAEFWARLLERLFKQLHPQLLLPDDYLDCLGKQAEALRPFGDAPRELRLRATRAV
AARSFVQGLGVASDVVRKVAQVPLAPECRAVMKLVYCAHCRGVPGARPCPDYCRNVL
KGCLANQADLDAEWRNLLDSMVLITDKFWGPGSAENVIGSVHMLAEAINALQDNKDT
LTAKVIQGCNPKVNPBGSGPEEKRRRGKLALQEKSSGTLEKLVSEAKAQLRDIQDY
WISLPGTLCSEKMAMSPASDDRCWNGISKGRYLPEVMGDGLANQINNPEVEVDITKPD
MTIRQQIMQLKIMTNRLRGAYGGNDVDFQDASDDGSGSGSGGGCPDDACGRRVSKSS
SSRTPLTHALPGLSEQEGQKTS
```

Reference:

ACCESSION L34067
NID g506416
KEYWORDS glypican.
SOURCE Rattus norvegicus (strain New England Deconess Hospital) cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 1737)
AUTHORS Litwack, E.D., Stipp, C.S., Kumbasar, A. and Lander, A.D.
TITLE Neuronal expression of glypican, a cell-surface
glycosylphosphatidylinositol-anchored heparan sulfate proteoglycan,
in the adult rat nervous system
JOURNAL J. Neurosci. 14, 3713-3724 (1994)

Fig.7 : Syndecan-1 (rat) transmembrane domain: M81785

gtgct gggaggtgtc attgctggag gcctgggtggg
cctcatcttt gctgtgtgcc tgggtggcttt catgctatac

Reference:

ACCESSION M81785
LOCUS RATSYNDECA 2396 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus syndecan mRNA, complete cds.
ACCESSION M81785
NID g207140
KEYWORDS syndecan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2396)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 8 : Syndecan-2 (human) transmembrane domain (J 04621):

gtcctagcag ctgtcattgc tgggtggagtt attggctttc tctttgcaat ttttcttata
ctgctgttgg tg

protein sequence:
VLAAVIAGGVIGFLFAIFLILLV

reference:

ACCESSION J04621
LOCUS HUMHSPGC 3414 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG) core protein, 3' end.
ACCESSION J04621
NID g184428
KEYWORDS core protein; heparan sulfate proteoglycan.
SOURCE Human fetal lung fibroblast, cDNA to mRNA, clone 48K5.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 3414)
AUTHORS Marynen, P., Zhang, J., Cassiman, J.J., Van den Berghe, H. and David, G.
TITLE Partial primary structure of the 48- and 90-kilodalton core
proteins of cell surface-associated heparan sulfate proteoglycans
of lung fibroblasts. Prediction of an integral membrane domain and
evidence for multiple distinct core proteins at the cell surface of
human lung fibroblasts
JOURNAL J. Biol. Chem. 264 (12), 7017-7024 (1989)

Fig. 9 : Synd-3 (N-Syndecan) chicken Transmembrane domain

gtgttgatagctgtgattgtcggcggtgtggtgggagccctctttgctgccttccttgtca
tgctgctcatctac

Reference:

ACCESSION M84910
LOCUS CHKSNDPCPRO 1372 bp mRNA VRT 29-NOV-1995
DEFINITION Chicken syndecan-3 proteoglycan mRNA, complete cds.
ACCESSION M84910
NID g1017461
KEYWORDS syndecan-3 proteoglycan.
SOURCE Gallus gallus 4-6 day and 10 day forelimb and whole embryo cDNA to mRNA.
ORGANISM Gallus gallus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Archosauria; Aves; Neognathae; Galliformes;
Phasianidae; Phasianinae; Gallus.
REFERENCE 1 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Syndecan 3: a member of the syndecan family of
membrane-intercalated proteoglycans that is expressed in high
amounts at the onset of chicken limb cartilage differentiation
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 89 (8), 3271-3275 (1992)
MEDLINE 92228766
REFERENCE 2 (bases 1 to 1372)
AUTHORS Gould,S.E., Upholt,W.B. and Kosher,R.A.
TITLE Characterization of chicken syndecan-3 as a heparan sulfate
proteoglycan and its expression during embryogenesis
JOURNAL Dev. Biol. 168 (2), 438-451 (1995)

Figure 10 : Syndecan-4 transmembrane domain from rat: M81786

gtcttggc agctctgatt gtgggcggcg tagtgggcat cctcttcgcc gttttcctga
tcctgctgct ggtgtac

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. // : Glypican-1 (rat) GPI-Transmembrane Domain:

**gccgcc actcgcccag agcctcaacta cttctttctg
ctcttcctgt tcaccttggt ccttgctgca gccaggccca ggtggcggtgta actgccc**

protein sequence:

ATRPEPHYFFLLFLFTLVLAAARPRWR

Reference:

ACCESSION L34067

NID g506416

KEYWORDS glypican.

SOURCE Rattus norvegicus (strain New England Deconess Hospital) cDNA to mRNA.

ORGANISM Rattus norvegicus

Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;

Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;

Murinae; Rattus.

REFERENCE 1 (bases 1 to 1737)

AUTHORS Litwack, E.D., Stipp, C.S., Kumbasar, A. and Lander, A.D.

TITLE Neuronal expression of glypican, a cell-surface glycosylphosphatidylinositol-anchored heparan sulfate proteoglycan, in the adult rat nervous system

JOURNAL J. Neurosci. 14, 3713-3724 (1994)

Figure 12 : Perlecan (human) transmembrane domain #M85289

tcgcgacactgctcatcccag
ccatcacgactgctgacgccggcttctacctctgcgtggccaccagccctgcaggcactg
cc

Reference:

LOCUS HUMHSPG2B 14327 bp mRNA PRI 08-NOV-1994
DEFINITION Human heparan sulfate proteoglycan (HSPG2) mRNA, complete cds.
ACCESSION M85289
NID g184426
KEYWORDS HSPG2 gene; heparan sulfate proteoglycan.
SOURCE Homo sapiens skin; colon cDNA to mRNA.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 14327)
AUTHORS Dodge,G.R., Kovalszky,I., Chu,M.L., Hassell,J.R., McBride,O.W.,
Yi,H.F. and Iozzo,R.V.
TITLE Heparan sulfate proteoglycan of human colon: partial molecular
cloning, cellular expression, and mapping of the gene (HSPG2) to
the short arm of human chromosome 1
JOURNAL Genomics 10 (3), 673-680 (1991)
MEDLINE 91365376
REFERENCE 2 (bases 1 to 14327)
AUTHORS Murdoch,A.D., Dodge,G.R., Cohen,I., Tuan,R.S. and Iozzo,R.V.
TITLE Primary structure of the human heparan sulfate proteoglycan from
basement membrane (HSPG2/perlecan). A chimeric molecule with
multiple domains homologous to the low density lipoprotein
receptor, laminin, neural cell adhesion molecules, and epidermal
growth factor
JOURNAL J. Biol. Chem. 267 (12), 8544-8557 (1992)

Figure 13 : Syndecan-4 cytoplasmic domain from rat: M81786

**Cgc atgaagaaga aggatgaagg cagttacgac ttgggcaaga aacccatcta caaaaaagcc
cccaccaacg agttctacgc atga**

Reference:

ACCESSION M81786
LOCUS RATRYUDOCA 2452 bp mRNA ROD 16-JUL-1992
DEFINITION Rattus norvegicus ryudocan mRNA, complete cds.
ACCESSION M81786
NID g206822
KEYWORDS ryudocan.
SOURCE Rattus norvegicus Epididymal fat pad cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
Murinae; Rattus.
REFERENCE 1 (bases 1 to 2452)
AUTHORS Kojima,T., Shworak,N.W. and Rosenberg,R.D.
TITLE Molecular cloning and expression of two distinct cDNA-encoding
heparan sulfate proteoglycan core proteins from a rat endothelial
cell line
JOURNAL J. Biol. Chem. 267, 4870-4877 (1992)

Fig. 14

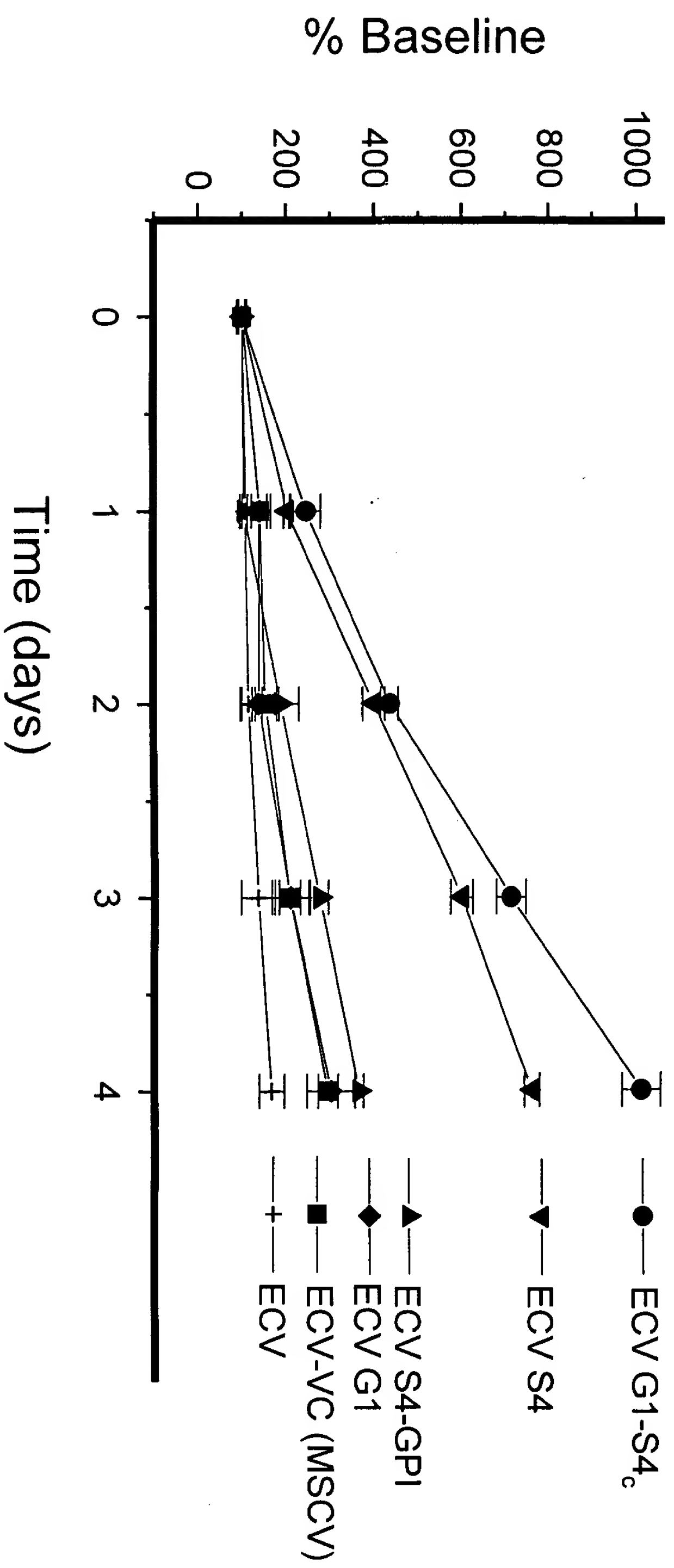


Fig. 15A

MSCV



Fig. 15B

S4

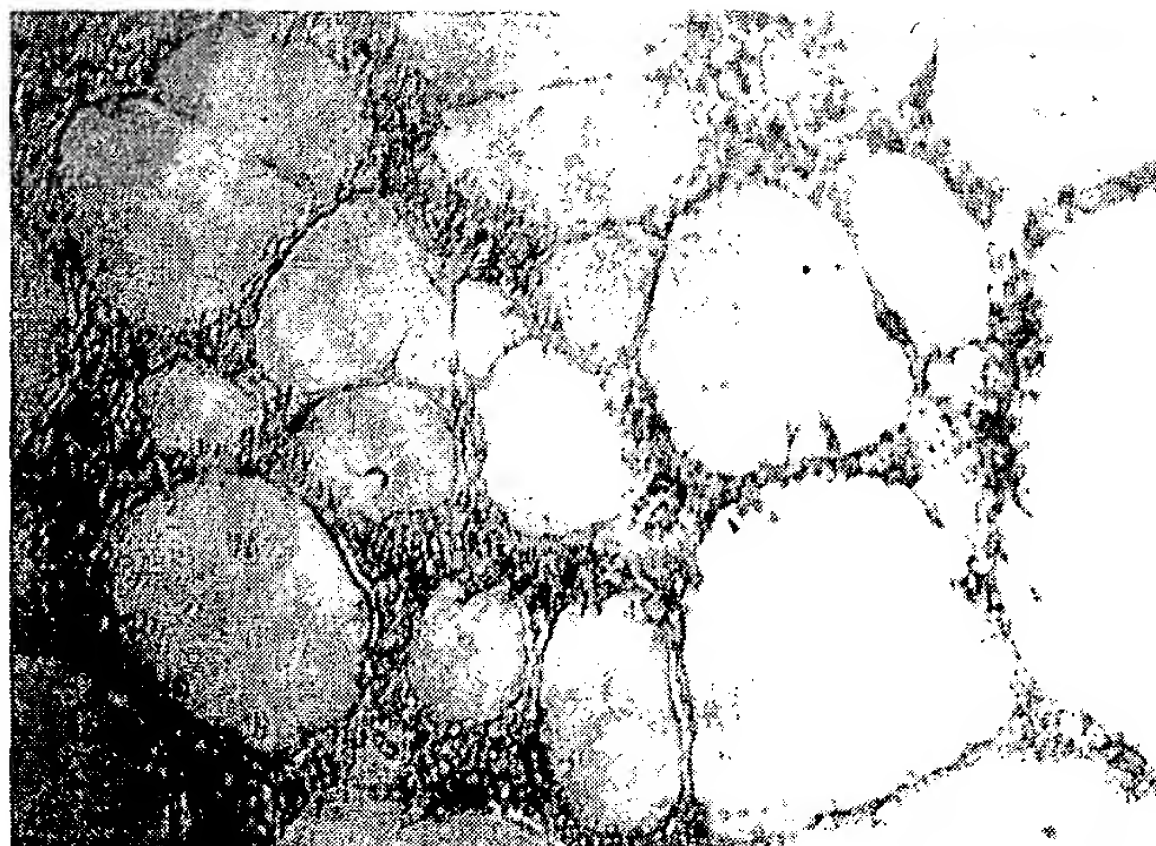


Fig. 15C

G1_{ect}-S4_{cyt}

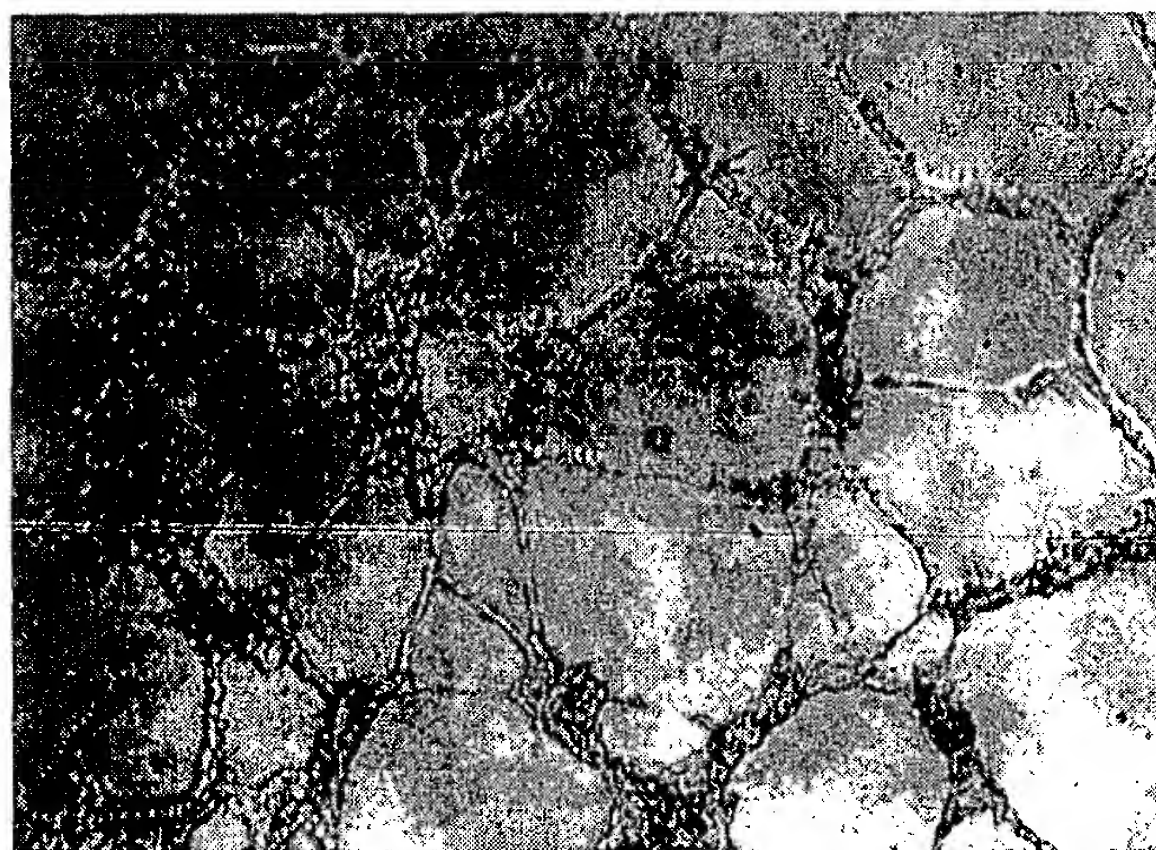
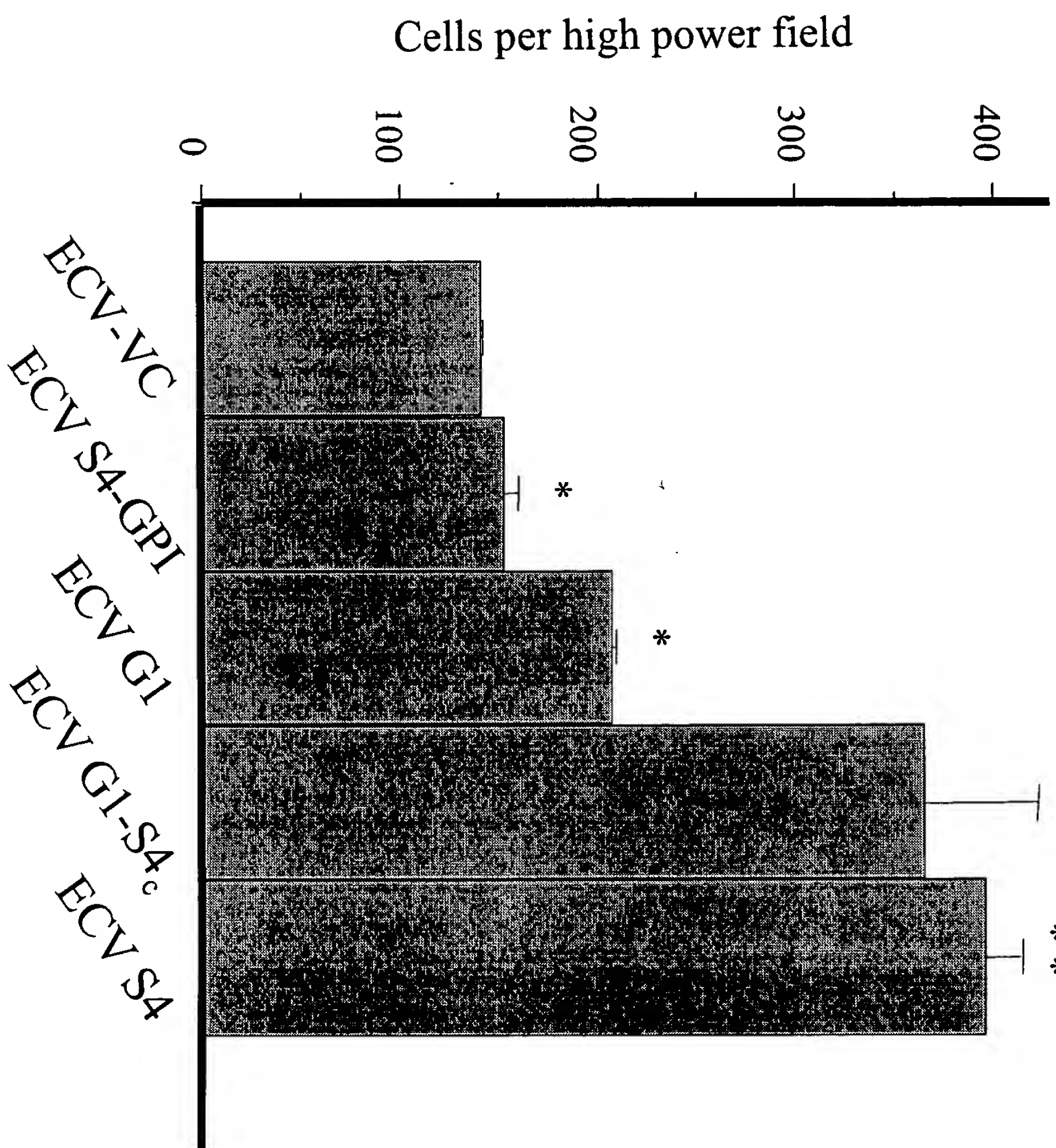


Fig. 16



* $p < 0.05$ vs. ECV-VC
** $p < 0.05$ vs. G4-GPI

Fig. 17A

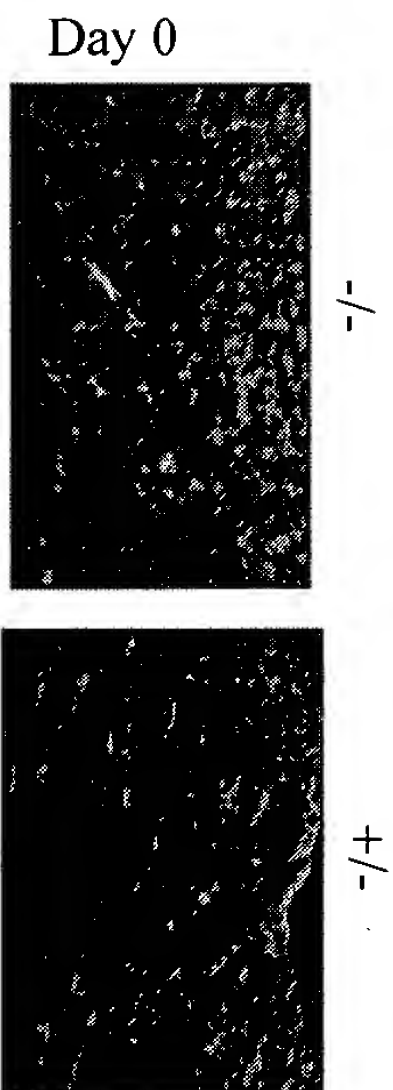


Fig. 17B

Fig. 17C

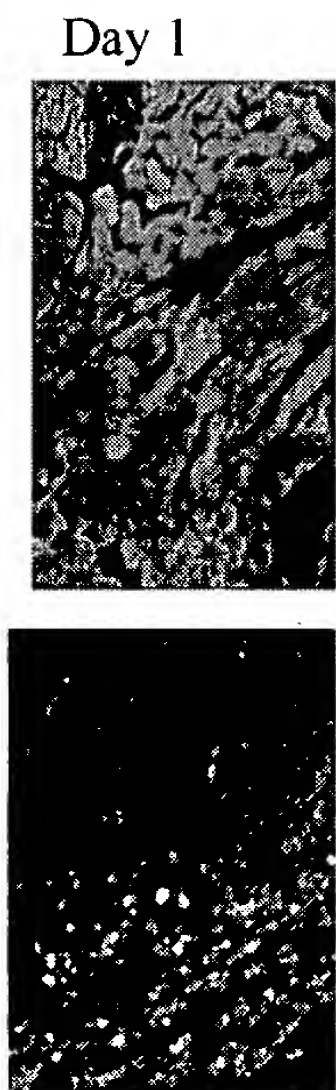


Fig. 17D

Fig. 17E

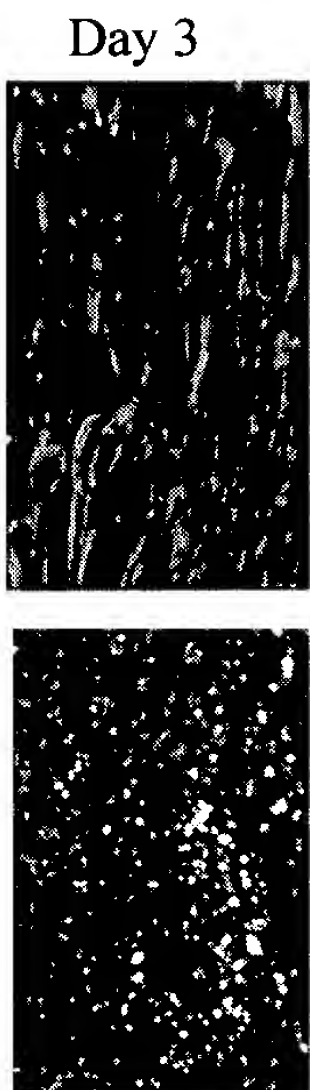
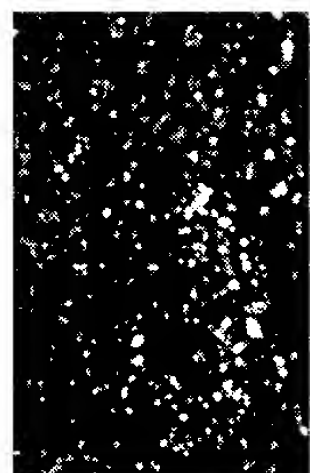
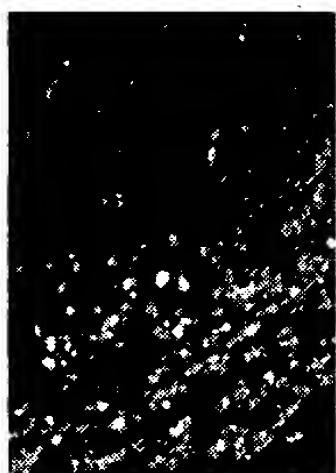
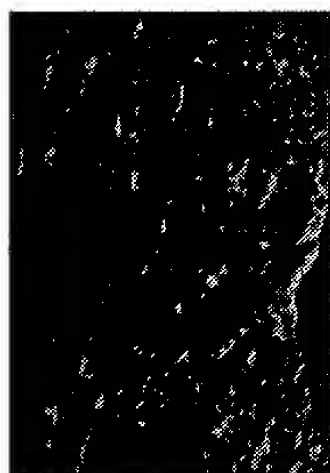


Fig. 17F

+/-



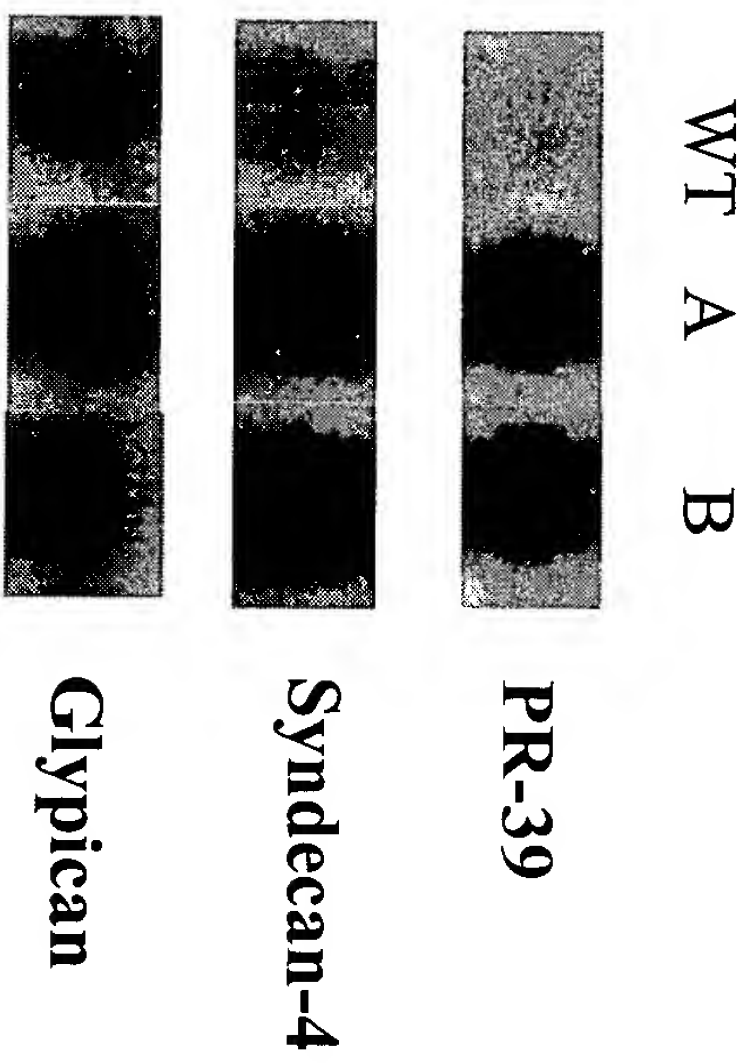


Fig. 18



Fig. 19

